Validated By CRFValidator v 1.0.3

Application No: 10589956 Version No: 1.0

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Output Set:

Started: 2007-08-30 10:36:38.585
Finished: 2007-08-30 10:36:41.371
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 786 ms
Total Warnings: 0
Total Errors: 0
No. of SeqIDs Defined: 61
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SEQUENCE LISTING

<110> CBR Institute for Biomedical Research, Inc.
Springer, Timothy A.
Cohen, Edward H.

<120> CONFORMATION SPECIFIC ANTIBODIES

<130> CFBF-P01-022

<140> 10589956
<141> 2007-08-30

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<170> PatentIn version 3.4

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Arg Tyr Val Met Trp
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Tyr Ile Trp Pro Ser Gly Gly Asn Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

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Xaa Ala Ala Ser Xaa Ala Ala Asp Xaa Ala Ala Xaa Ala Ala Ser Xaa
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Ala Ala Ala Xaa Ala Ala Xaa Ala Ala Xaa Ala Ala Xaa Ala Ala
            20   25   30

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Ser Tyr Phe Asp Leu Tyr Phe Trp Arg Lys Ser Asn Gln Tyr Ala Tyr
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Phe Asp Glu Ala Lys Ile Ser Met Asn Val Leu
            20   25

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Ser Tyr Phe Asp Leu Tyr Phe Trp Arg Ser Asn Tyr Ala Tyr Phe Asp
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Glu Ala Lys Ile Ser Met Asn Val Leu
            20   25

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Arg Ala Ser Gln Ser Ile Gly Ser Tyr Leu Asn
1   5   10

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Ala Ala Ser Ser Leu Gln Ser
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Gln Gln Ser Tyr Ser Thr Pro Ser
1 5

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His Tyr Gly Met Ser
1 5

<210> 11
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Val Ile Ser Pro Ser Gly Gly Arg Thr Leu Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

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His Tyr Ser Tyr Ala Met Asp Val
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Thr Ala Ser Gln Ser Val Asp Ser Asn Leu Ala
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Gly Ala Ser Thr Arg Ala Thr
1 5

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Gln Gln Tyr Asn Lys Trp Pro Pro Tyr Ser
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His Tyr Ser Met Gln
1 5

<210> 17
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Tyr Ile Gly Ser Ser Gly Gly Asn Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

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Gly Thr Tyr Asn Thr Ser Pro Phe Asp Tyr
1 5 10

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Ser Gly Asp Ala Leu Gly Gln Lys Tyr Ala Ser
1 5 10

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Gln Asp Ser Lys Arg Pro Ser
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Gln Ala Trp Asp Thr Thr Ala Tyr Val
1 5

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Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Gly Ser Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Thr Gly Lys Ala Pro Lys Ala Leu Ile
35 40 45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

```
Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Leu
65                  70                  75                  80


Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Ser
                85                  90                  95


Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr
            100                 105


<210>  23
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<213>  Homo sapiens

<400>  23

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Arg Tyr
            20                  25                  30


Val Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45


Ser Tyr Ile Trp Pro Ser Gly Gly Asn Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60


Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80


Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95


Ala Ser Ser Tyr Asp Phe Trp Ser Asn Ala Phe Asp Ile Trp Gly Gln
            100                 105                 110


Gly Thr Met Val Thr Val Ser Ser
        115                 120


<210>  24
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<400>  24
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Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1               5                   10                  15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Gly Ser Tyr
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Ala Leu Ile
        35                  40                  45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Ser
                85                  90                  95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Glu Val Gln Leu
            100                 105                 110

Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu
        115                 120                 125

Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Arg Tyr Val Met Trp Trp
    130                 135                 140

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser Tyr Ile Trp
145                 150                 155                 160

Pro Ser Gly Gly Asn Thr Tyr Tyr Ala Asp Ser Val Lys Gly
                165                 170
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Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
1               5                   10                  15

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Ser
```

```
            20                  25                  30

Ser Tyr Asp Phe Trp Ser Asn Ala Phe Asp Ile Trp Gly Gln Gly Thr
        35                  40                  45

Met Val Thr Val Ser Ser Asp Ile Gln Met Thr Gln Ser Pro Ala Thr
    50                  55                  60

Leu Ser Val Ser Pro Gly Glu Arg Val Thr Leu Ser Cys Thr Ala Ser
65                  70                  75                  80

Gln Ser Val Asp Ser Asn Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
                85                  90                  95

Ala Pro Arg Leu Leu Val Tyr Gly Ala Ser Thr Arg Ala Thr
            100                 105                 110
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<210> 26
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<400> 26

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Gly Val Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Ala Phe Thr
1               5                   10                  15

Leu Thr Ile Asp Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
            20                  25                  30

Gln Gln Tyr Asn Lys Trp Pro Pro Tyr Ser Phe Gly Gln Gly Thr Lys
        35                  40                  45

Leu Glu Ile Lys Arg Thr Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
    50                  55                  60

Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
65                  70                  75                  80

Phe Thr Phe Ser His Tyr Gly Met Ser Trp Val Arg Gln Ala Pro Gly
                85                  90                  95

Lys Gly Leu Glu Trp Val Ser Val Ile Ser Pro Ser Gly Gly Arg Thr
            100                 105                 110
```

Leu Tyr Ala Asp Ser Val Lys Gly
        115   120

<210> 27
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<213> Homo sapiens

<400> 27

Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
1   5   10   15

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Lys
            20   25   30

His Tyr Ser Tyr Ala Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr
        35   40   45

Val Ser Ser Ser Val Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro
    50   55   60

Gly Gln Thr Ala Ser Val Thr Cys Ser Gly Asp Ala Leu Gly Gln Lys
65   70   75   80

Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val
                85   90   95

Ile Phe Gln Asp Ser Lys Arg Pro Ser
            100   105

<210> 28
<211> 117
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<213> Homo sapiens

<400> 28

Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr Ala Thr
1   5   10   15

Leu Thr Ile Ser Gly Thr Gln Ala Val Asp Glu Ala Asp Tyr Tyr Cys
            20   25   30

Gln Ala Trp Asp Thr Thr Ala Tyr Val Phe Gly Thr Gly Thr Lys Val
        35   40   45

```
Thr Val Leu Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln
    50                  55                  60

Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
65                  70                  75                  80

Ser His Tyr Ser Met Gln Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
                85                  90                  95

Glu Trp Val Ser Tyr Ile Gly Ser Ser Gly Gly Asn Thr Tyr Tyr Ala
            100                 105                 110

Asp Ser Val Lys Gly
        115
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<210> 29
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Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
1               5                   10                  15

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
            20                  25                  30

Gly Thr Tyr Asn Thr Ser Pro Phe Asp Tyr Trp Gly Gln Gly Thr Leu
        35                  40                  45

Val Thr Val Ser Ser
    50
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Met Lys Asp Ser Cys Ile Thr Val Met Ala Met Ala Leu Leu Ser Gly
1               5                   10                  15

Phe Phe Phe Phe Ala Pro Ala Ser Ser Tyr Asn Leu Asp Val Arg Gly
```

```
            20                  25                  30

Ala Arg Ser Phe Ser Pro Pro Arg Ala Gly Arg His Phe Gly Tyr Arg
        35                  40                  45

Val Leu Gln Val Gly Asn Gly Val Ile Val Gly Ala Pro Gly Glu Gly
    50                  55                  60

Asn Ser Thr Gly Ser Leu Tyr Gln Cys Gln Ser Gly Thr Gly His Cys
65                  70                  75                  80

Leu Pro Val Thr Leu Arg Gly Ser Asn Tyr Thr Ser Lys Tyr Leu Gly
                85                  90                  95

Met Thr Leu Ala Thr Asp Pro Thr Asp Gly Ser Ile Leu Ala Cys Asp
            100                 105                 110

Pro Gly Leu Ser Arg Thr Cys Asp Gln Asn Thr Tyr Leu Ser Gly Leu
        115                 120                 125

Cys Tyr Leu Phe Arg Gln Asn Leu Gln Gly Pro Met Leu Gln Gly Arg
    130                 135                 140

Pro Gly Phe Gln Glu Cys Ile Lys Gly Asn Val Asp Leu Val Phe Leu
145                 150                 155                 160

Phe Asp Gly Ser Met Ser Leu Gln Pro Asp Glu Phe Gln Lys Ile Leu
                165                 170                 175

Asp Phe Met Lys Asp Val Met Lys Lys Leu Ser Asn Thr Ser Tyr Gln
            180                 185                 190

Phe Ala Ala Val Gln Phe Ser Thr Ser Tyr Lys Thr Glu Phe Asp Phe
        195                 200                 205

Ser Asp Tyr Val Lys Trp Lys Asp Pro Asp Ala Leu Leu Lys His Val
    210                 215                 220

Lys His Met Leu Leu Leu Thr Asn Thr Phe Gly Ala Ile Asn Tyr Val
225                 230                 235                 240

Ala Thr Glu Val Phe Arg Glu Glu Leu Gly Ala Arg Pro Asp Ala Thr
                245                 250                 255
```

```
Lys Val Leu Ile Ile Ile Thr Asp Gly Glu Ala Thr Asp Ser Gly Asn
            260                 265                 270

Ile Asp Ala Ala Lys Asp Ile Ile Arg Tyr Ile Ile Gly Ile Gly Lys
        275                 280                 285

His Phe Gln Thr Lys Glu Ser Gln Glu Thr Leu His Lys Phe Ala Ser
    290                 295                 300

Lys Pro Ala Ser Glu Phe Val Lys Ile Leu Asp Thr Phe Glu Lys Leu
305                 310                 315                 320

Lys Asp Leu Phe Thr Glu Leu Gln Lys Lys Ile Tyr Val Ile Glu Gly
                325                 330                 335

Thr Ser Lys Gln Asp Leu Thr Ser Phe Asn Met Glu Leu Ser Ser Ser
            340                 345                 350

Gly Ile Ser Ala Asp Leu Ser Arg Gly His Ala Val Val Gly Ala Val
        355                 360                 365

Gly Ala Lys Asp Trp Ala Gly Gly Phe Leu Asp Leu Lys Ala Asp Leu
    370                 375                 380

Gln Asp Asp Thr Phe Ile Gly Asn Glu Pro Leu Thr Pro Glu Val Arg
385                 390                 395                 400

Ala Gly Tyr Leu Gly Tyr Thr Val Thr Trp Leu Pro Ser Arg Gln Lys
                405                 410                 415

Thr Ser Leu Leu Ala Ser Gly Ala Pro Arg Tyr Gln His Met Gly Arg
            420                 425                 430

Val Leu Leu Phe Gln Glu Pro Gln Gly Gly Gly His Trp Ser Gln Val
        435                 440                 445

Gln Thr Ile His Gly Thr Gln Ile Gly Ser Tyr Phe Gly Gly Glu Leu
    450                 455                 460

Cys Gly Val Asp Val Asp Gln Asp Gly Glu Thr Glu Leu Leu Leu Ile
465                 470                 475                 480
```

```
Gly Ala Pro Leu Phe Tyr Gly Glu Gln Arg Gly Gly Arg Val Phe Ile
                485                 490                 495

Tyr Gln Arg Arg Gln Leu Gly Phe Glu Glu Val Ser Glu Leu Gln Gly
            500                 505                 510

Asp Pro Gly Tyr Pro Leu Gly
```